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1 Experimental validation of a tuning algorithm for high-speed filters

G. Matarrese, C. Marzocca, F. Corsi, S. D'Amico, A. Baschirotto

April 2007 **DATE '07:** Proceedings of the conference on Design, automa...

Publisher: EDA Consortium

Full text available: Pdf (503.61 KB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 13, Download

We report here the results of some laboratory experiments performed to the self tuning of integrated continuous-time, high-speed active filters. The application of a pseudo-random ...

2 TETRA radio performance evaluated via the software package TETE

Armando Annunziato, Davide Sorbara

March 2000 **Mobile Networks and Applications**, Volume 5 Issue 1

Publisher: Kluwer Academic Publishers

Full text available: Pdf (429.08 KB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 33, Download

TETRA (TERrestrial Trunked RAdio) is a digital mobile radio standard for satisfying the growing request of applications and facilities coming from The system has been ...

3 A gentle introduction to bilateral filtering and its applications

Sylvain Paris

August 2007 **SIGGRAPH '07:** SIGGRAPH 2007 courses

Publisher: ACM Request Permissions

Full text available: Mpg (100:20 MIN), Pdf (27.35 MB) Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 58, Downloads (12 Months): 460, Download

- Image-based modeling and photo editing *Oh et al.* ACM SIGGRAPH co-
Machinery, Inc. Reprinted by permission. <http://doi.acm.org/10.1145/3>
display of high-dynamic-range ...

4 Logarithmic perspective shadow maps

D. Brandon Lloyd, Naga K. Govindaraju, Cory Quammen, Steven E. Molnar

October 2008 **Transactions on Graphics (TOG)**, Volume 27 Issue 4

Publisher: ACM Request Permissions

Full text available: Pdf (23.37 MB) Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 295, Downloaded by 1 user

We present a novel shadow map parameterization to reduce perspective light sources. We derive the aliasing error equations for both types of light sources we ...

Keywords: Shadow maps, antialiasing

5 Efficient architectural design space exploration via predictive modeling

 Engin Ipek, Sally A. McKee, Karan Singh, Rich Caruana, Bronis R. de Supinski
January 2008 **Transactions on Architecture and Code Optimization (TACO)**, Volume 5 Issue 1

Publisher: ACM 

Full text available:  Pdf (1.70 MB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 155, Downloaded by 1 user

Efficiently exploring exponential-size architectural design spaces with minimal overhead is a difficult problem: the sheer number of experiments required renders detailed simulation impractical. We propose an automated approach that ...

Keywords: Artificial neural networks, design space exploration, performance modeling

6 Fast and flexible application-level networking on exokernel systems

 Gregory R. Ganger, Dawson R. Engler, M. Frans Kaashoek, Hector M. Briceño
February 2002 **Transactions on Computer Systems (TOCS)**, Volume 20 Issue 1

Publisher: ACM 

Full text available:  Pdf (500.67 KB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 69, Downloaded by 1 user

Application-level networking is a promising software organization for improving the performance of important network services. The Xok/ExOS exokernel system includes a fast, extensible networking system that provides a clean interface to network services, while at ...

Keywords: Extensible systems, OS structure, fast servers, network services

7 A gentle introduction to bilateral filtering and its applications

 Sylvain Paris, Pierre Kornprobst, Jack Tumblin, Frédo Durand
August 2008 **SIGGRAPH '08: SIGGRAPH 2008 classes**

Publisher: ACM 

Full text available:  Mov (195:15 MIN),  Pdf (39.45 MB) Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 36, Downloads (12 Months): 391, Downloaded by 1 user

The bilateral filter is a non-linear technique that can blur an image while decomposing it into different scales without causing haloes after rendering. It is widely used in computational photography ...

8 GPGPU: general purpose computation on graphics hardware

 David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ian

August 2004 **SI GGRAPH '04: SIGGRAPH 2004 Course Notes**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (63.03 MB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 255, Downloads (12 Months): 1580, Dov

The graphics processor (GPU) on today's commodity video cards has ev processor. The latest graphics architectures provide tremendous memor with fully programmable vertex ...

9 Automatically patching errors in deployed software

 Jeff H. Perkins, Sungjun Kim, Sam Larsen, Saman Amarasinghe, Jonathan Frank Sherwood, Stelios Sidiropoulos, Greg Sullivan, Weng-Fai Wong, Yoav Z October 2009 **SOSP '09: Proceedings of the ACM SIGOPS 22nd symposium**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (471.33 KB)

Additional Information: [full citation](#), [abs](#)

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We present ClearView, a system for automatically patching errors in dep Windows x86 binaries without any need for source code, debugging info without human intervention. ...

Keywords: self healing

10 Debugging in the (very) large: ten years of implementation and experience

 Kirk Glerum, Kinshuman Kinshumann, Steve Greenberg, Gabriel Aul, Vince Loihi, Galen Hunt October 2009 **SOSP '09: Proceedings of the ACM SIGOPS 22nd symposium**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (467.20 KB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 33, Downloads (12 Months): 33, Downlo

Windows Error Reporting (WER) is a distributed system that automates installed base of a billion machines. WER has collected billions of error r error data automatically ...

Keywords: blue screen of death, bucketing, classifying, error reports, I

11 Performance OpenGL: platform independent techniques

 Bob Kuehne, Tom True, Alan Commike, Dave Shreiner July 2005 **SI GGRAPH '05: SIGGRAPH 2005 Courses**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (3.76 MB)

Additional Information: [full citation](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 158, Downl

12 Collision detection and proximity queries

 Sunil Hadap, Dave Eberle, Pascal Volino, Ming C. Lin, Stephane Redon, Chr August 2004 **SI GGRAPH '04: SIGGRAPH 2004 Course Notes**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (11.22 MB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 76, Downloads (12 Months): 565, Downloaded by 1 user

This course will primarily cover widely accepted and proved methodologies and advanced or recent topics such as continuous collision detection, ADFs, and introduced. When appropriate ...

13 STAR: self-tuning aggregation for scalable monitoring

Navendu Jain, Dmitry Kit, Prince Mahajan, Praveen Yalagandula, Mike Dahl
September 2007 **VLDB '07: Proceedings of the 33rd international conference**

Publisher: VLDB Endowment

Full text available:  Pdf (520.35 KB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 58, Downloaded by 1 user

We present **STAR**, a self-tuning algorithm that adaptively sets numeric parameters to efficiently answer continuous aggregate queries over distributed data structures. The system is essential for both robustness ...

14 Exploiting perception in high-fidelity virtual environments

 **Additional presentations from the 24th course are available on the ACM SIGGRAPH website**

Mashhuda Glencross, Alan G. Chalmers, Ming C. Lin, Miguel A. Otaduy, Diep Pham, and Emile F. Petitjean
July 2006 **SIGGRAPH '06: SIGGRAPH 2006 Courses**

Publisher: ACM 

Full text available:  Mov (68:6 MIN),  Pdf (5.07 MB) Additional Information: [full citation](#), [abs](#), [cited by](#), [similar](#)

Bibliometrics: Downloads (6 Weeks): 164, Downloads (12 Months): 1391, Downloaded by 1 user

The objective of this course is to provide an introduction to the issues that arise in creating high-fidelity 3D engaging shared virtual environments. The principles of human-computer interaction, the design of algorithms and techniques ...

Keywords: collaborative environments, haptics, high-fidelity rendering, human-computer interaction, networked applications, perception, virtual reality

15 Improved error reporting for software that uses black-box components

 Jungwoo Ha, Christopher J. Rossbach, Jason V. Davis, Indrajit Roy, Hany E. ElBeltagy, and Emmett Witchel

June 2007 **PLDI '07: Proceedings of the 2007 ACM SIGPLAN conference on programming language design and implementation**

Publisher: ACM 

Full text available:  Pdf (345.48 KB) Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 102, Downloaded by 1 user

An error occurs when software cannot complete a requested action as a result of a configuration, or environment. A high-quality error report allows a user to quickly identify and fix the problem. Unfortunately, the quality of ...

Keywords: classification, error report, machine learning, profiling, software engineering

Also published in:

June 2007 **SIGPLAN Notices** Volume 42 Issue 6

16 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

November 1997 **CASCON '97**: Proceedings of the 1997 conference of the C research

Publisher: IBM Press

Full text available:  [Pdf](#) (4.21 MB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 34, Downloads (12 Months): 363, Downl

Understanding distributed applications is a tedious and difficult task. Vis are often used to obtain a better understanding of the execution of the Poet, an event ...

17 [An energy-aware framework for dynamic software management in m](#)



Yunxi Fei, Lin Zhong, Niraj K. Jha

April 2008 **Transactions on Embedded Computing Systems (TECS)**

Publisher: ACM 

Full text available:  [Pdf](#) (854.47 KB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 37, Downloads (12 Months): 303, Downl

Energy efficiency has become a very important and challenging issue fo this article, we propose a novel dynamic software management (DSOM) have designed and implemented ...

Keywords: Software adaptation, energy macromodel, runtime coordina

18 [Client-server computing in mobile environments](#)



Jin Jing, Abdelsalam Sumi Helal, Ahmed Elmagarmid

June 1999 **Computing Surveys (CSUR)**, Volume 31 Issue 2

Publisher: ACM 

Full text available:  [Pdf](#) (233.31 KB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 95, Downloads (12 Months): 679, Downl

Recent advances in wireless data networking and portable information a computing, called mobile computing, in which users carrying portable de services ...

Keywords: application adaptation, cache invalidation, caching, client/s operation, mobile applications, mobile client/server, mobile compuing, r system application

19 [NWSLite: A general-purpose, nonparametric prediction utility for emt](#)



Selim Gurun, Chandra Krintz, Rich Wolski

April 2008 **Transactions on Embedded Computing Systems (TECS)**

Publisher: ACM 

Full text available:  [Pdf](#) (405.49 KB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 74, Download

Time series-based prediction methods have a wide range of uses in emk applications require accurate prediction of demand and supply of resour is not easy, since the dynamics ...

Keywords: CPU availability estimation, Computation offloading, embed prediction algorithms

20 The effect of registration error on tracking distant augmented objects

Mark A. Livingston, Zhuming Ai

September 2008 **ISMAR '08**: Proceedings of the 7th IEEE/ACM International

Publisher: IEEE Computer Society

Full text available:  [PDF](#) (14.95 MB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 6, Download

We conducted a user study of the effect of registration error on perform reality. Categorizing error by types that are often used as specifications ability of users ...

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